Index of Claims

**Allowed** 

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|-----------------------------------------|
| 10/772,033              | LOEBERMANN ET AL.                       |
| Examiner                | Art Unit                                |

|          |     | Pa                             | tricia |   | . Morris |
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| Claim Date |          |                                                  |          |                        | Claim Date |         |          |                    |          |     |       |          | <b>1</b>            |          | aim      | Date                                                             |          |         |                    |           |                                              |       |            |            |                                                  |          |          |          |          |          |          |   |
|------------|----------|--------------------------------------------------|----------|------------------------|------------|---------|----------|--------------------|----------|-----|-------|----------|---------------------|----------|----------|------------------------------------------------------------------|----------|---------|--------------------|-----------|----------------------------------------------|-------|------------|------------|--------------------------------------------------|----------|----------|----------|----------|----------|----------|---|
| - 01       | T        |                                                  |          |                        |            |         |          |                    |          | Cic | Date  |          |                     |          |          |                                                                  |          |         |                    | 1         | Uate                                         |       |            |            |                                                  |          |          |          |          |          |          |   |
| Final      | Original | 100                                              |          |                        |            |         |          |                    |          |     | Final | Original |                     |          |          |                                                                  | İ        |         |                    |           |                                              | Final | Original   |            |                                                  |          |          |          |          |          |          |   |
| -          | 1        | 2                                                | $\vdash$ | -                      | $\dashv$   | +       | +        | $\dashv$           |          |     |       | 51       | $\vdash$            |          | $\dashv$ | $\dashv$                                                         | ┿        | ╁       | +                  | ╁         | ┨                                            |       | 101        | $\vdash$   | ⊢                                                | H        | H        | _        |          | $\dashv$ | -        | _ |
| -          | 2        | 11                                               | H        | $\vdash$               | $\dashv$   | +       | $\dashv$ | $\dashv$           |          |     | _     | 52       | $\vdash$            | H        | $\dashv$ | $\dashv$                                                         | +        | ╌       | +-                 | ╁         | ł                                            |       | 102        | H          | ┞                                                | ┢        | H        | $\vdash$ | Н        | -        |          |   |
| <b></b>    | 3        |                                                  | -        | $\vdash$               | 十          | +       | +        | -                  |          |     | -     | 53       |                     | $\vdash$ | ┪        | $\dashv$                                                         | $\dashv$ | ╅       | +                  | +         | ł                                            |       | 103        |            | $\vdash$                                         | ┢─       |          | H        |          | H        | -        | _ |
|            | 4        |                                                  |          | $\Box$                 | 7          | 1       | ┪        |                    |          |     |       | 54       | П                   | П        | 7        | T                                                                | +        | ╅       | T                  | T         | 1                                            |       | 104        | T          | T                                                | ┢        |          |          |          | $\dashv$ | T        | _ |
|            | 5        |                                                  | Г        | $\Box$                 | 寸          | 寸       | ヿ        | T                  |          |     |       | 55       | П                   | $\Box$   | ┪        | 丁                                                                | 7        | T       | 十                  | T         |                                              |       | 105        |            | Г                                                |          |          | Г        |          | $\Box$   |          | _ |
|            | 6        | 171                                              |          |                        |            |         | T        | T                  |          |     |       | 56       | П                   |          | T        | ┪                                                                | 1        | $\top$  | $\top$             | T         |                                              |       | 106        |            |                                                  |          |          | Г        |          | $\Box$   |          |   |
|            | 7        | Ш                                                |          |                        |            |         |          |                    |          |     |       | 57       |                     |          |          |                                                                  |          |         |                    | I         |                                              |       | 107        |            |                                                  |          |          |          |          |          |          |   |
|            | 8        | Ш                                                |          |                        |            |         |          |                    |          |     |       | 58       |                     |          |          |                                                                  |          | $\perp$ |                    |           |                                              |       | 108        |            |                                                  |          |          |          |          |          |          |   |
|            | 9        | Ш.                                               | Ш        | Ш                      | _          | _       | 4        | _                  |          |     |       | 59       | Ш                   | $\Box$   | _        | _                                                                |          | $\perp$ | _                  | $\perp$   |                                              |       | 109        | Ш          |                                                  | _        |          |          | Ш        | $\Box$   |          | _ |
|            | 10       | Ш                                                | Ш        | Ц                      | _          | $\perp$ | 4        | _                  |          |     |       | 60       | Щ                   |          | _        | 4                                                                | 4        | 4       | $\bot$             | $\bot$    |                                              |       | 110        | lacksquare |                                                  | L_       |          |          | Щ        | $\dashv$ | _        | _ |
| <u> </u>   | 11       |                                                  | Н        | ${oldsymbol{arphi}}$   | $\dashv$   | +       | +        | $\dashv$           |          |     |       | 61       | Ш                   | $\dashv$ | -        | -                                                                | -        | 4       | +                  | +         |                                              |       | 111        | <u> </u>   | ⊢                                                | <u> </u> | $\vdash$ | $\vdash$ | Ш        | $\dashv$ | _        | _ |
| <u> </u>   | 12<br>13 | <u> </u>                                         | Н        | ${oldsymbol{ee}}$      | $\dashv$   | +       | +        | $\dashv$           | _        |     |       | 62<br>63 | $\vdash$            | $\dashv$ | $\dashv$ | +                                                                | +        | +       | +                  | +         | 1                                            |       | 112<br>113 | $\vdash$   |                                                  | ├        | $\vdash$ | $\vdash$ | Н        | $\dashv$ | _        | _ |
| <u> </u>   | 14       | <b>M</b> —                                       | Н        | ${oldsymbol{arphi}}$   | $\dashv$   | +       | +        | $\dashv$           |          |     |       | 64       | Н                   | $\dashv$ | $\dashv$ | $\dashv$                                                         | +        | +       | +                  | +         | <b> </b>                                     |       | 114        | $\vdash$   | $\vdash$                                         | ├        | $\vdash$ | $\vdash$ | Н        | $\dashv$ | $\dashv$ | — |
|            | 15       | $\vdash \vdash$                                  | H        | ${oldsymbol{	ext{H}}}$ | $\dashv$   | +       | +        | $\dashv$           | -        |     |       | 65       | $\vdash$            | $\vdash$ | $\dashv$ | -+                                                               | +        | +       | +                  | +         | 1                                            |       | 115        | ┢          | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\dashv$ | $\dashv$ |   |
|            | 16       | $\vdash$                                         | Н        | Н                      | $\dashv$   | $\top$  | +        | -1                 |          |     |       | 66       | H                   |          | $\dashv$ | $\dashv$                                                         | $\dashv$ | $\top$  | 十                  | +         | 1                                            |       | 116        | $\vdash$   | ┢                                                | $\vdash$ | $\vdash$ | Н        | Н        |          |          | _ |
|            | 17       | tt                                               |          | H                      | T          | T       | 7        | 寸                  |          |     |       | 67       | H                   | $\dashv$ | $\dashv$ | 十                                                                | $\dashv$ | +       | +-                 | $\top$    | 1                                            |       | 117        | Т          | Г                                                |          |          |          | П        | 寸        |          | _ |
|            | 18       | $\Box$                                           |          | H                      |            | 1       | 1        | 7                  |          |     |       | 68       |                     | 7        | 7        | 十                                                                | ┪        | 1       | 1                  | ✝         | 1                                            |       | 118        | 1          | <u> </u>                                         |          | П        |          |          | $\neg$   |          | _ |
|            | 19       | 1 7                                              | П        | П                      |            | $\top$  | 7        | 一                  |          |     | _     | 69       |                     |          |          | 7                                                                |          | T       | T                  |           |                                              |       | 119        |            |                                                  |          |          |          |          |          |          | _ |
|            | 20       |                                                  |          |                        |            |         | 1        |                    |          |     |       | 70       |                     |          |          |                                                                  |          |         |                    |           |                                              |       | 120        |            |                                                  |          |          |          |          |          |          |   |
|            | 21       | oxdot                                            |          | Ц                      |            |         |          |                    |          |     |       | 71       |                     |          |          |                                                                  |          |         |                    |           |                                              |       | 121        |            |                                                  |          |          |          |          |          |          |   |
|            | 22       |                                                  | L        | Ш                      |            | _       | ┙        | _                  |          |     |       | 72       | Ш                   | $\Box$   | _        |                                                                  | _        | _ _     | 丄                  | ┸         |                                              |       | 122        |            | Ш                                                |          |          |          |          |          |          |   |
|            | 23       |                                                  | Ш        |                        | -          | 4       | 4        | 4                  |          |     |       | 73       | Ш                   |          | 4        | 4                                                                | _        | 4       | ┸                  | _         |                                              |       | 123        |            | Ш                                                |          | Ш        |          |          |          |          |   |
|            | 24       | ╀                                                | Н        | $\dashv$               | -          | +       | 4        | -                  |          |     |       | 74       | Н                   | -        | 4        | 4                                                                | 4        | - -     | +                  | ╀         | -                                            |       | 124        |            |                                                  | _        | Ш        | Ш        |          | _        |          |   |
| -          | 25<br>26 | $\vdash\vdash$                                   | Н        | $\dashv$               | $\dashv$   | +       | +        | $\dashv$           | _        |     |       | 75<br>76 | Н                   | -        | +        | +                                                                | $\dashv$ | +-      | +                  | +-        |                                              |       | 125        |            |                                                  | _        | Н        | Н        | $\vdash$ | $\dashv$ |          |   |
| -          | 27       | $\vdash$                                         | Н        | $\dashv$               | +          | +       | ╅        | $\dashv$           | -        |     |       | 77       | Н                   | $\dashv$ | ┰        | $\dashv$                                                         | ╫        | ╁       | ╀                  | ╁         | 1                                            |       | 126<br>127 | -          | -                                                | _        | Н        | Н        | $\vdash$ | -        |          |   |
|            | 28       | $\vdash$                                         | Н        | $\dashv$               | $\dashv$   | +       | +        | $\dashv$           | -        |     |       | 78       | Н                   | $\dashv$ | $\dashv$ | $\dashv$                                                         | +        | ╫       | ╈                  | ╁╌        |                                              |       | 128        | Н          | $\vdash$                                         | _        | Н        |          | $\vdash$ | $\dashv$ | -        | _ |
|            | 29       | $\vdash$                                         | Н        | +                      | $\dashv$   | ╅       | +        | $\dashv$           | $\dashv$ |     |       | 79       | Н                   | $\dashv$ | $\dashv$ | $\dashv$                                                         | +        | +       | ╁╴                 | ╁╴        | -                                            |       | 129        | Н          | 1                                                |          |          |          | $\vdash$ | $\dashv$ | $\dashv$ |   |
|            | 30       |                                                  | Н        | Ħ                      | 十          | +       | †        | 寸                  |          |     |       | 80       | Н                   | $\dashv$ | 十        | $\top$                                                           | 十        | ╁       | ╈                  | +-        |                                              |       | 130        | Н          | $\vdash$                                         |          |          | -        | $\dashv$ | $\dashv$ |          | _ |
|            | 31       |                                                  |          | $\Box$                 |            | T       | 1        | T                  | -        |     |       | 81       | П                   | $\dashv$ | 7        | _                                                                | 十        | 十       | ╅                  | 十         | 1                                            |       | 131        |            |                                                  | _        | $\neg$   | П        | П        |          |          | _ |
|            | 32       |                                                  |          |                        |            |         |          |                    |          |     |       | 82       |                     |          |          |                                                                  | 十        | $\top$  | 十                  | 1         | 1                                            |       | 132        | П          |                                                  |          |          |          | П        | 寸        |          | _ |
|            | 33       |                                                  |          |                        |            |         | floor    |                    |          |     |       | 83       |                     |          |          |                                                                  |          | T       | $oxed{\mathbb{L}}$ |           |                                              |       | 133        |            |                                                  |          |          |          |          |          |          |   |
|            | 34       |                                                  |          | $\Box$                 | $\bot$     | $\perp$ | $\perp$  | $\bot$             |          |     |       | 84       |                     | I        | $\Box$   | T                                                                | $\Box$   | I       | I                  |           |                                              |       | 134        |            |                                                  |          |          |          |          |          |          |   |
|            | 35       |                                                  | Ш        | $\sqcup$               | 4          | $\bot$  | 4        | 4                  | _        |     |       | 85       | Ш                   | $\Box$   | _        | 4                                                                | $\perp$  | 4       | ┸                  | 1         |                                              |       | 135        | Ш          |                                                  |          | Ш        | Ш        |          |          |          |   |
|            | 36       | $\vdash \vdash$                                  | Ш        | $\dashv$               | 4          | _       | 4        | 4                  | _        |     |       | 86       | Ш                   | $\dashv$ | $\perp$  | $\dashv$                                                         | $\perp$  | 4       | 1                  | $\bot$    |                                              |       | 136        | $\sqcup$   | $\vdash$                                         | Ш        | Ш        | Ш        | Щ        | _        |          |   |
|            | 37       | $\vdash \vdash$                                  | Н        | $\dashv$               | +          | - -     | -        | -                  | _        |     |       | 87       | Н                   | -        | $\dashv$ | +                                                                | +        | +       | +-                 | ┼-        |                                              |       | 137        | $\vdash$   | Ь.,                                              |          | Ш        | Ш        | Щ        |          | _        |   |
| <u> </u>   | 38<br>39 | $\vdash\vdash$                                   | Н        | +                      | +          | ╬       | +        | -                  | $\dashv$ |     |       | 88<br>89 | ┞╌┤                 | $\dashv$ | -        | +                                                                | +        | +       | ╀                  | ╁         | $\  \ $                                      |       | 138        | Н          | H                                                | -        |          | Н        | Н        | -        | -        |   |
|            | 49       | <del>                                     </del> | Н        | $\dashv$               | +          | +       | +        | $\dashv$           | $\dashv$ |     |       | 90       | $\vdash \vdash$     | $\dashv$ | +        | $\dashv$                                                         |          | ╫       | ╁                  | ╁╌        | <b>                                     </b> |       | 139<br>140 | $\vdash$   | $\vdash$                                         | $\vdash$ | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$ |   |
| $\vdash$   | 41       | $\vdash$                                         | H        | +                      | 十          | +       | 十        | $\dashv$           |          |     |       | 91       | H                   | $\dashv$ | +        | $\dashv$                                                         | +        | ╁       | ╁                  | ╁╴        |                                              |       | 141        | Н          | H                                                | -        | Н        | Н        | $\dashv$ |          | $\dashv$ |   |
|            | 42       | $\vdash$                                         | Н        | 1                      | $\dashv$   | +       | T        | $\dashv$           | ⊣        |     |       | 92       | Н                   | 寸        | 十        | $\dashv$                                                         | 十        | 十       | $\top$             | $\dagger$ |                                              |       | 142        | H          | $\vdash$                                         | $\vdash$ |          | Н        | $\dashv$ | $\dashv$ | ᅱ        |   |
|            | 43       |                                                  | П        | $\Box$                 | 十          | $\top$  | †        | $\dashv$           | ヿ        |     |       | 93       | П                   | 寸        | $\dashv$ | 十                                                                | 1        | 1       | 1                  | t         |                                              |       | 143        | Н          | H                                                |          |          | Н        |          | 十        | $\dashv$ | _ |
|            | 44       |                                                  |          |                        | 丁          |         | 1        |                    | ╗        |     |       | 94       |                     | _1       | _1       | 丁                                                                | ╗        | 丁       |                    | 1         |                                              |       | 144        |            | П                                                | П        |          |          | $\Box$   | 寸        | ᅥ        |   |
|            | 45       |                                                  |          |                        |            | I       | I        |                    |          |     |       | 95       |                     |          |          |                                                                  |          | I       | $\perp$            | $\Gamma$  |                                              |       | 145        |            |                                                  |          |          |          |          |          | ┪        |   |
|            | 46       |                                                  |          | $oldsymbol{\perp}$     | $\bot$     | Д       |          | $oldsymbol{\perp}$ |          |     |       | 96       |                     |          |          |                                                                  |          |         | I                  | $\Box$    |                                              |       | 146        |            |                                                  |          |          |          |          | $\Box$   |          | _ |
|            | 47       | $\Box$                                           | Ш        | $\perp$                | $\perp$    | $\perp$ | 1        |                    | _        |     |       | 97       | Ш                   | $\Box$   | $\perp$  | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |          | $\perp$ | L                  | L         | ][                                           |       | 147        |            |                                                  |          |          |          |          |          |          | _ |
|            | 48       | $\sqcup \sqcup$                                  | $\sqcup$ | $\dashv$               | 4          | 4       | 4        | $\dashv$           | 4        |     |       | 98       | Ш                   | 4        | _        | 4                                                                | 4        | ┸       | 1                  | 丄         |                                              |       | 148        | Ш          |                                                  | Ш        | Щ        | Ц        | _        | _[       |          | _ |
| $\vdash$   | 49       |                                                  | $\dashv$ | $\dashv$               | $\dashv$   | - -     | +        | +                  | 4        |     |       | 99       | $\vdash \downarrow$ | _        | 4        | +                                                                | +        | +       | +                  | L         |                                              |       | 149        | Ш          | Ш                                                | Ц        | Ц        | _        |          |          | _        |   |
| 1          | 50       |                                                  |          | 1                      | ı          | 1       | ı        | - 1                | 1        |     | [     | 100      | <b> </b>            | ı        | - 1      | -                                                                | 1        | ı       | 1                  | 1         |                                              |       | 150        |            |                                                  |          |          |          | - 1      | ĺ        | J        |   |